

2 ARUBINA L.V.  
BLAGOVESHCHENSKAYA, N.M.; ZARUBINA, I.Y.; MOGILEVSKAYA, Ye.F.

Diagnosis of leptospirosis in swine. Veterinariia 34 no.5:26-27 My '57.  
(MIRA 10:6)

1. Institut epidemiologii, mikrobiologii i gigiyeny, Rostov-na-Donu.  
(Swine--Diseases and pests) (Leptospirosis--Diagnosis)

ZARUBINA, L.V.

YANOVICH, T.D.; BLIZNICHENKO, A.G.; ZARUBINA, L.V.; MSTIBOVSKIY, S.A.;  
BERKOVICH, A.I.; DUSHEVIN, I.P.

Leptospira canicola infections in one of the precincts of Rostov-  
on-Don. Zhur. mikrobiol. epid. i immun 28 no.2:100-104 F '57  
(MLRA 10:4)

1. Iz Instituta epidemiologii, mikrobiologii i gigiyeny,  
Gorodskoy i rayonnoy sanitarno-epidemiologicheskoy stantsii  
Rostova-na-Donu.

(LEPTOSPIROSIS, epidemiol.

Leptospira canicola infect. in Russia)

Zarubina, L.V.

GORIYENKO, I.I.; SOBOLEVA, Ye.S.; ZARUBINA, L.V.

Action of penicillin with ecmoline on microflora of the pharynx  
and of the nose in the prevention of influenza and acute catarrhs  
of the upper respiratory tract. Zhur. mikrobiol. epid. i immun. no.12:  
22-26 D '55. (MLRA 9:5)

1. Iz Rostovskogo instituta epidemiologii, mikrobiologii i gigiyeny.  
(INFLUENZA, prevention and control,  
antibiotic ecmoline with penicillin, eff. on  
nasopharyngeal flora)  
(PENICILLIN, therapeutic use,  
influenza & common cold prev., with ecmoline, eff. on  
nasopharyngeal flora)  
(ANTIBIOTICS, therapeutic use,  
same)

ZARUBINA, M.

Introduction of new medicinal plants in Latvia. p. 55.

BIOLOGICIESKAIA NAUKA; SELSKOMU I LESNOMU KHOZIAISTVU. (Latvijas PSR  
Zinatnu akademija. Biologijas zinatnu nodala) Riga, Latvia, No. 3, 1957.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 8,  
August 1959.  
Uncla.

ZARUBINA, M. P.

ZARUBINA, M. P. -- "Searches for and Cultivation of New Medicinal Plants." Latvian Agricultural Academy, 1949 (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latvyskoy SSR, No. 9, Sept., 1955

ROZENFEL'D, Ye.L.; LUKOMSKAYA, I.S.; GORODETSKIY, V.K.; ZARUBINA, N.A.;  
ZARETSKIY, M.M.

Saccharose synthesis in man. Vop. med. khim. 10 no.5:554-556  
3-0 '64. (MIRA 18:11)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR i  
Vsesoyuznyy institut eksperimental'noy endokrinologii, Moskva.

ZARUBINA, N.A.

Results of prolonged use of methylandrostenediol in hypophyseal  
nanism. Probl. endok. i gorm. 11 no.1:33-38 Ja-F '65.

(MIRA 18:5)

1. Vsesoyuznyy institut eksperimental'noy endokrinologii (dir. -  
prof. Ye.A. Vasyukova), Moskva.

FRENKEL', G.M.; ZARUBINA, N.A.

Electroencephalographic examination of patients with cerebrohypophysial nanism. Zhur. nevr. i psikh. 64 no. 12:1778-1784 '64. (MIRA 18:1)

1. Otdeleniye funktsional'noy diagnostiki (zaveduyushchiy A.K. Dobrzhanskaya) i terapevticheskoye otdeleniye (zaveduyushchiy A.G.Vasil'yeva) kliniki Vsesoyuznogo instituta eksperimental'noy endokrinologii (direktor - prof. Ye.A.Vasyukova), Moskva.



ZARUBINA, N.A.

Anabolic steroids; a review of literature. Probl. endok. i  
gorm. 11 no.2:106-114 Mr-Apr '65. (MIRA 18:7)

1. Vsesoyuznyy institut eksperimental'noy endokrinologii (di-  
rektor - prof. Ye.A.Vasyukova), Moskva.

ZARUBINA, N. A.

"The Effect of Methylandrostenediol and Insulin on the Stimulation of Growth of Patients with Hypophyseal Nanism."

Theses of the Proceedings of the Annual Scientific Sessions 23-26 March 1959  
(All-Union Institute of Experimental Endocrinology)

From the Polyclinic Department (Head-Professor I. B. Khavin) of the All-Union  
Institute of Experimental Endocrinology (Director-Professor Ye. A. Vasyukova)

USSR / Human and Animal Physiology. Internal Secretion, Parathyroid T  
Glands.

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70388

Author : Zarubina, H. A.

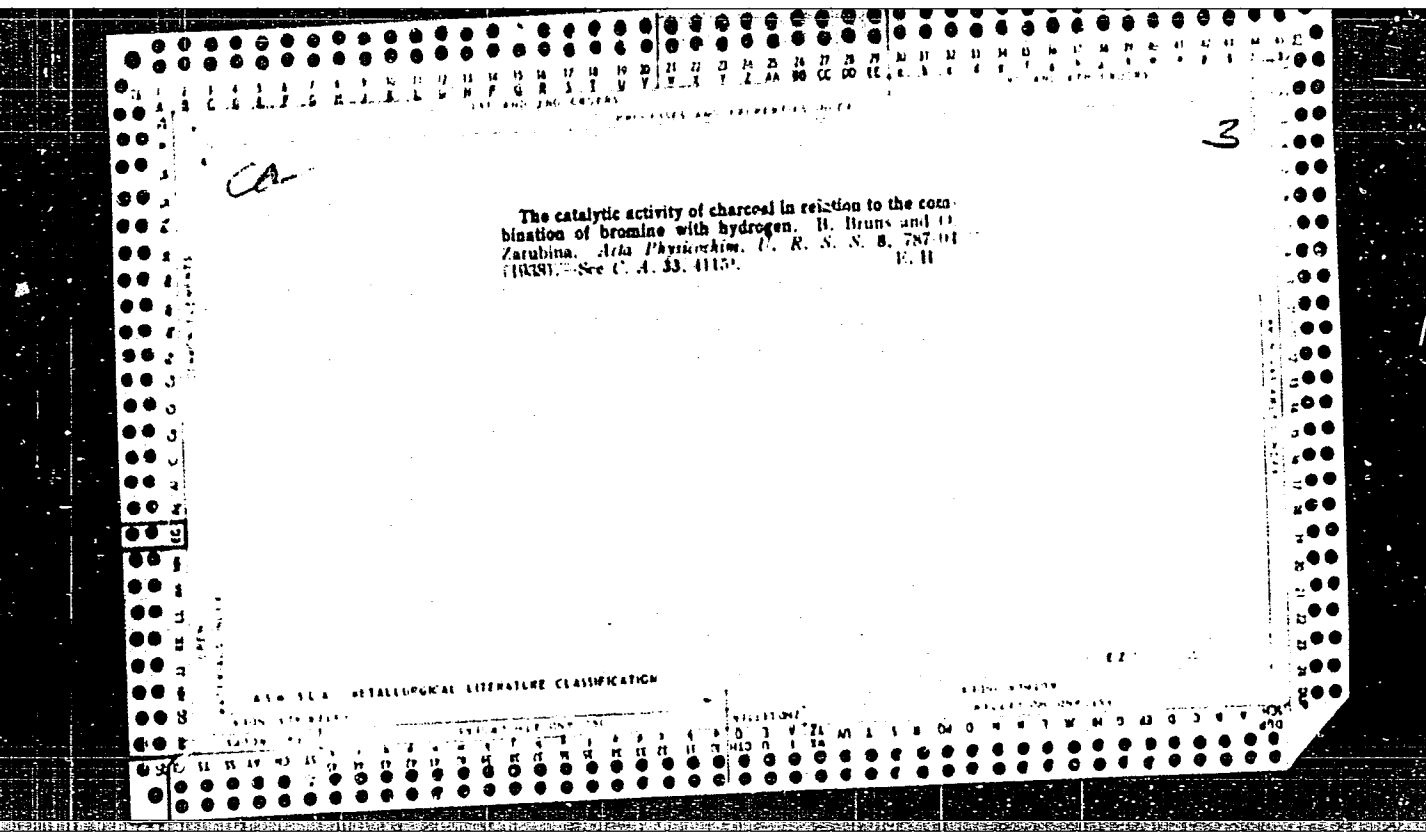
Inst : Not given

Title : Case of Hyperparathyroidism with Atypical Picture of  
Bone Changes

Orig Pub : Probl. Endokrinol. i Gormonoterapii, 1957, Vol 3, No 1,  
116-120

Abstract : No abstract given

Card 1/1



The catalytic activity of charcoal in the formation of hydrogen bromide from hydrogen and bromine. H. Bruns and O. Zgrubian. *J. Phys. Chem.* (U. S. S. R.) 11, 803-4 (1938).—A max. catalytic activity of sugar charcoal with respect to the reaction  $H_2 + Br_2 = 2HBr$  was observed with the charcoal activated to 80%, whereas the max. activity with respect to adsorption ability was observed with 35% activated charcoal. The heat of activation of the above reaction was independent of the degree of activation of the charcoal and equal to 30,000 cal. (av.). A decrease in the catalytic activity and adsorption ability of charcoal with higher degree of activation is explained by decrease in the surface of charcoal owing to burning out of small crystals. Seven references. A. A. Podgorny

1ST AND 2ND CROSS		PRODUCTS AND PROPERTIES INDEX		3RD AND 4TH CROSS	
<p>bc A-1</p> <p><b>Catalytic activity of charcoal in the reaction between bromine and hydrogen.</b> B. BRUNS and O. ZARUBINA (J. Phys. Chem. Russ., 1938, 11, 300-304).—A mixture of <math>H_2</math> and <math>Br</math> vapours was passed through a layer of charcoal and was then analysed. The rate of reaction <math>\propto [H_2]</math>. It increases with the temp. (120-150°); the "activation energy" is 30 kg.-cal. The <math>C</math> was prepared by heating sucrose-<math>C</math> in <math>CO_2</math> at 850°. The catalytic activity first rose and then declined with increasing time of heating. A max. in its adsorptive capacity towards <math>Br</math> was reached after a shorter time of heating than the max. of its catalytic activity. J. J. B.</p>					
<p>ASB-11A METALLURGICAL LITERATURE CLASSIFICATION</p>					
SOURCE		SUBJECT		CLASSIFICATION	
100000 02		100000 02		100000 02	

2

The change of isotherm shape on continued activation of charcoal. H. Brun and G. Zaslavina. *Kolloid-Z.* 66, 270 (1933); cf. C. A. 23, 3014. Fruit and sugar charcoals were activated at 800° in  $C_{60}$  allowing increasing percentage loss in weight. Vapour adsorption at 10° was detd. in a Mellin sorption balance. At low vapour pressures of  $C_{60}$  or ether, vapour adsorption occurred on charcoals with 35 to 65% loss in weight. At vapour pressures near satn. there is a continuous increase in adsorption with increased loss in weight. H<sub>2</sub>O shows a similar behavior, though the form of the isotherm is different and appreciable adsorption occurs only at 60% humidity. Adsorption of  $H_2O$ , butyric acid, and  $PhOH$  from aq. solns. gives a similar picture. At first activation is mainly by burning of org. residue and stripping of the graphite framework, bringing about an increased adsorption. After a definite loss the entire inner surface is free and further loss in weight increases the size of the pores and diminishes the low-pressure adsorption. The high pressure adsorption is increased as a result of greater pore vol. Also in *J. Phys. Chem.* (U. S. S. R.) 5, 270-4 (1933). Arthur Fleischer

ACC NR: AP7013133

SOURCE CODE: UR'0062'66 000 009/1543-1546

AUTHOR: Shagidullin, R. R.; Chadayeva, N. A.; Zarubina, N. I.; Kamay, G. Kh.

ORG: Chemical Institute im. A. Ye. Arbuzov, AN SSSR (Khimicheskiy institut AN SSSR)

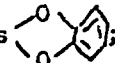
TITLE: Vibrational spectra of organoarsenic compounds. Communication 4. Infrared spectra and structure of cyclic arsenic-containing derivatives of pentaerythritol

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 9, 1966, 1543-1546

TOPIC TAGS: organic arsenic compound, IR absorption spectrum, IR spectrum, pentaerythritol

SUB CODE: 07

ABSTRACT: In a continuation of earlier investigations, the infrared absorption spectra of seven cyclic derivatives of arsenous, alkylarsinous, and arylarsinous acids with pentaerythritol were obtained and interpreted. Spectra are cited for:

- 1)  $C(CH_2OH)_4$ ; 2)  $P(OCH_2)_3CCH_2OH$ ; 3)  $As(OCH_2)_3CCH_2OH$ ; 4)  $As(OCH_2)_3CCH_2OAs$  
- 5)  $As(OCH_2)_3CCH_2OAs(C_2H_5)_2$ ; 6)  $As(OCH_2)_3CCH_2OAsPh_2$ ; 7)  $C_2H_5As(OCH_2)_2C(CH_2O)_2AsC_2H_5$ ;

Card 1/2

UDC: 543.422+547.242+547.427.1

0933 0827



ACC NR: AP7013133

8)  $\text{PhAs}(\text{OCH}_2)_2\text{C}(\text{CH}_2\text{O})_2\text{AsPh}$ ; 9)  $\text{C}(\text{CH}_2\text{O})_4\text{As}_2\text{Cl}_2$ . The analytical characteristics of the bridge and spiran structures are discussed. On the basis of the data obtained, the reaction products of arsenic trichloride with pentaerythritol and Englund's compound possess an identical spiran structure. Orig. art. has: 1 figure and 2 formulas. [JPRS: 40,422]

Card 2/2

USSR/Chemistry - Corrosion  
Chemistry - Metals, Corrosion

Apr 1948

"Temperature and Moisture Factors During the Corrosion of Metals in an Atmosphere of Sulfur Dioxide," O. V. Zarubina (deceased) and M. I. Turich, Gen Sol Res Lab of Hygiene and Sanitation for Routes of Transportation, Ministry of Pub Health USSR, 8 1/2 pp

"Zhur Priklad Khimii" Vol XI, No 4 pp 362-71

Temperature is most important factor in determining amount of corrosion of a surface. Greatest corrosion occurs in temperature range of 20-25° with a humidity of 80% or greater. Noticed that at temperatures of

75T21

USSR/Chemistry - Corrosion (Contd)

Apr 1948

30-35° there was no corrosion even with humidity of 80 to 90%. Submitted 7 May 1947.

ZARUBINA, O. V. (deceased)

75T21

ZARUBINA, V.H.

Lice of some rodents in southeastern Transbaikalia. Dokl. Irk.  
gos. nauch.-issl. protivochum. inst. no.5:196-198 '63

(MIRA 18:1)

Lice of jerboas and of the Daurian and northern pikas (*Ochotona*  
*daurica* and *O. hyperborea*) in southeastern Transbaikalia. Ibid.:  
199-201.

Morphological characteristics of *Hoplopleura ochotona* (Ferris,  
1922) from Daurian pikas (*Ochotona daurica*). Ibid.:205-208

ZARUBINA, T.I.

P.D.

PHASE I BOOK EXPLOITATION

SOV/3791

Soveshchaniye po obrabotke zharoprochnykh splavov, Moscow, 1957.

Obrabotka zharoprochnykh splavov; [sbornik dokladov...] (Treatment of Heat-Resistant Alloys; Collection of Papers Read at the Conference), Moscow, Izd-vo AN SSSR, 1960. 231 p. 3,500 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya; Akademiya nauk SSSR. Institut metallurgii im. A.A. Baykova. Nauchnyy sovet po problemam zharoprochnykh splavov.

Resp. Ed.: V.I. Dikushin, Academician; Ed. of Publishing House: V.A. Kotov; Tech. Ed.: V.V. Bruzgul'.

PURPOSE: This book is intended for metallurgists.

COVERAGE: The book consists of thirty papers read at the Conference on the Treatment of Heat-Resistant Alloys held in Moscow by the Committee on Machine-Building Technology, Institute of the

Card 1/7

Treatment of Heat

Shpunt, K.Ya. Some Special Features of  
[by the Melting Process]

Aksenov, F.V. Cast Rotor Blades for Gas Turbines

25

Korneyev, N.I., I.G. Skugarev, S.B. Pevzner, and Ye.I. Razuvaev.  
Thermomechanical Conditions in the Pressworking of Refractory  
Alloys of Molybdenum and Chromium Base

33

Kudryavtsev, I.B., and B.I. Aleksandrov. Effect of Work Hardening  
on the Fatigue Strength of Heat-Resistant Steels at High Tempera-  
tures

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Revinov, V.N. Deep Drawing of Products From Heat-Resistant Sheet  
Metals With the Application of Deep Freezing

53

Kleymentov, V.Ya., and T.N. Sazonova. Plastic Workability and  
Mechanical Properties of Titanium Alloys as Determined by the  
Conditions of Hot Working

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Card 3/7

Treatment of Heat (Cont.)

SOV/3791

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. Treatment of Heat (Cont.,)

SOV/3791

Golubev, S.A. Some Questions Concerning the Machinability of Heat-  
Resistant Alloys

226

AVAILABLE: Library of Congress (TS650.S75 1957c)

Card 7/7

VK/jb  
6-27-60

*Zharoprochnyye*

PHASE I BOOK EXPLOITATION

SOV/4262

Akademiya nauk SSSR. Komissiya po tekhnologii mashinostroyeniya

Obrabotka zharoprochnykh splavov (Treatment of Heat-Resistant Alloys) Moscow,  
Izd-vo AN SSSR, 1960. 231 p. 3,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Nauchnyy sovet po problemam zharoprochnykh splavov.

Resp. Ed.: V.I. Dikushin, Academician; Ed. of Publishing House: V.A. Kotov;  
Tech. Ed.: V.V. Brizgul'.

PURPOSE: This collection of papers is intended to summarize current information on the treatment of heat-resistant alloys with a view toward coordination further research.

COVERAGE: The book is a collection of papers presented at the Conference on Heat-Resistant Alloys, held 18-21 December 1957 by the Commission on Machine-Construction Technology of the Institut mashinovedeniya AN SSSR (Institute of Machine Science, Academy of Sciences USSR). The thirty papers in the

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Treatment of Heat-Resistant Alloys

SOV/4262

collection deal with the casting, pressure working, welding, and cutting of heat-resistant alloys. No personalities are mentioned. References accompany several of the articles.

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Treatment of Heat-Resistant Alloys

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Treatment of Heat-Resistant Alloys

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Treatment of Heat-Resistant Alloys

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and Titanium Alloys

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AVAILABLE: Library of congress

Card 6/6

VK/pw/gmp  
9-26-60

ZARUBINA, Z.M.(Moskva); LYALIKOVA, N.N.(Moskva); SHAMUK, Ye.I.(Moskva)

Investigating microbiological oxidation of coal pyrites. Izv.AN  
SSSR.Otd.tekh.nauk Met.i topl. no.1:117-119 Ja-F '59.  
(Coal--Testing) (MIRA 12:6)

SOV/180-59-1-25/29

AUTHORS: Zarubina, Z.M., Lyalikova, N.N. and Shmuk, Ye.I. (Moscow)

TITLE: Investigation of the Microbiological Oxidation of the  
Pyrite of Coal (Issledovaniye mikrobiologicheskogo  
okisleniya pirita uglya)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh  
nauk, Metallurgiya i toplivo, 1959, Nr 1, pp 117-119 (USSR)

ABSTRACT: This is a preliminary communication on work carried out  
jointly by the Laboratoriya Obogashcheniya IGI AN SSSR  
(Enrichment Laboratory of the IGI AS USSR) and the  
Institut Mikrobiologii AN SSSR (Institute of Microbiology  
of the AS USSR) on the oxidation of coal pyrites by  
microbiological methods. The work was started in 1957  
as part of the general study by the former organization  
of methods of oxidizing coal pyrites for desulphurization.  
A culture of Thiobacillus ferro-oxidans was prepared and  
added to coal samples. In one of each pair of samples  
the bacteria were killed. Analysis for sulphur after 10,  
20 and 30 days showed that in these no desulphurization  
occurred in contrast to the samples with live bacteria  
(table). The fineness of the coal and the age of the

Card 1/2

SOV/180-59-1-25/29  
Investigation of the Microbiological Oxidation of the Pyrite of  
Coal

culture had some effect on the oxidation.

A.Z. Yurovskiy and S.I. Kuznetsov advised on the work.

There are 1 table and 7 English references.

SUBMITTED: July 12, 1958

Card 2/2



AUTHORS: Anikayeva, A. N., Zarubinskiy, G. M. SOV/79-28-12-8/41

TITLE: Allyl and Methallyl Ethers of the Acetals and Ketals of Xylite and Xylitane (Allilovyye i metallilovyye efiry atsetaley i ketaley ksilita i ksilitana)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 12, pp 3206-3210 (USSR)

ABSTRACT: Based on a few syntheses of the allyl and methallyl ethers of multivalent alcohols described in references 1, 2 and 3 the authors synthesized the same ethers of the acetals and ketals of xylite and xylitane by the action of allyl bromide and methallyl chloride on them in a solvent in the presence of pulverized caustic soda. The initial products synthesized according to references 4, 5, 6, namely 2,4-3,5-dimethylene xylite, 2,3-4,5-diacetone xylite, and 2,3-4,5-dibenzylidene xylite contain a free primary hydroxyl group, so that the position of the allyl and methallyl group in the molecule of the reaction products in the first carbon atom is beyond any doubt (Compounds III, IV, V, VI, XII, XIII, XIV, XV). Di-cyclohexylidene xylite was obtained according to a synthesis of cyclohexylidene xylitane (Ref 7) carried out by the authors

Card 1/2

Allyl and Methallyl Ethers of the Acetals and Ketals  
of Xylite and Xylitane

SOV/79-28-12-8/41

already earlier. To solve the problem whether a free primary hydroxyl group is in the dicyclohexylidene xylite its triphenyl methyl ether was synthesized, whereby the position of the allyl and methallyl group at the primary carbon atom in this ether was proved (VI and XV). Based on earlier experiments (Ref 7) the allyl group in the acetals and ketals of xylitane can be only at the second or third carbon atom (VIII, IX, X, XI). There are 3 tables and 8 references, 1 of which is Soviet.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR  
(Institute of High-Molecular Compounds, Academy of Sciences,  
USSR)

SUBMITTED: January 13, 1958

Card 2/2

ZARUBINSKIY, G.M.

Synthesis of  $\alpha$ -chloroisobutyric acid. Zhur.ob.khim. 31 no.6:  
1885-1886 Je '61. (MIRA 14:6)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
(Propionic acid)

ZARUBINSKIY, G.M.; DANILOV, S.N.

Fluorine derivatives of polyhydric alcohols. Part 2:  
Trifluoroacetone ketals of xylitol. Zhur. ob. khim. 35  
no.10:1790-1798 O '65. (MIRA 18:10)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

ZARUBINSKIY, G.M.; KOL'TSOV, A.I.; ORESTOVA, V.A.; DANILOV, S.N.

Fluoro derivatives of polyhydric alcohols. Part 1: Ketals of  
glycerol and  $\alpha$ -chlorohydrin with trifluoroacetone. Zhur. ob.  
khim. 35 no.9:1620-1625 S '65. (MIRA 18:10)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

FEDORCHENKO, V.Ye., inzh.; ZARUBINSKIY, M.A., inzh.

Wear resistant materials for the equipment of coal preparation plants. Ugol' Ukr. 6 no.1:33-34 Ja '62. (MIRA 15:2)

1. UkrNIUgleobogashcheniye.  
(Coal preparation plants—Equipment and supplies)

L 09206-67 EWT(m)/EWP(k)/EWP(t)/ETI IJP(c) JD  
ACC NR: AP7002775

SOURCE CODE: UR/0418/66/000/002/0028/0031

MALINOVSKIY, L. A., FEDORCHENKO, V. Ye., ZARUBINSKIY, M. A., and ANDREYEV, V. V., Engineers

ORG: none

"Production of the Slurry Pump Rotors of Alloy IChKh28N2 by Investment Casting"

Kiev, Tekhnologiya i Organizatsiya Proizvodstva, No 2, 66, pp 28-31

TOPIC TAGS: metal casting, chromium containing alloy

ABSTRACT: The "Ukr NIiuglemashobogashcheniye" institute developed and tested a technical process for making rotors of alloy IChKh28N2 by investment casting to reduce as much as possible the amount of mechanical working, to increase the fineness and accuracy of the geometric molds of rotor surfaces. This method permits accurate casting of any difficult-to-work cast alloy.

The chemical composition of alloy IChKh28N2 is as follows: C 2.7-2.9%, Si 0.8-1.1%, Mn 1.5-1.8%, Cr 28-30%, Ni 1.5-2.8%, S 0.04% and P 0.09%; Brinell hardness in the cast state was 474-502.

The microstructure of the casting consisted of fine and coarse carbides (Cr, Fe)<sub>7</sub>C<sub>3</sub>.

By hardening at 1100° and subsequent tempering at 550-600°C the hardness

Card 1/2

UDC: 621.74.04

0925 1654

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ACC NR: AP7002775

of the castings can be increased to 540-600 Brinell units. Thereby, the wear resistance of the alloy is increased.

The results of comparative tests of experimental specimen rotors made of the alloy IChKh28N2 and of series produced rotors made of cast iron SCh15-32 is as follows:

Alloy	Average weight kg	Average actual operating time before total	Average weight after tests, kg	Weight loss, kg	Wear for 100 hours, kg	Coefficient of relative wear resis- tance of the rotors
IChKh28N2	21.8	4288	15.1	6.7	0.16	-
Cast iron						
SCh 15-32	22.5	330	16.3	6.2	1.86	11.7

Orig. art. has: 3 figures and 3 tables. [JPRS: 37,428]

SUB CODE: 13, 11 / SUBM DATE: none

Card 2/2 <sup>5/10</sup>



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